ELSEVIER

Journal of Analytical and Applied Pyrolysis
35 (1995) 267

JOURNAL of ANALYTICAL and APPLIED PYROLYSIS

Author Index

Alén, R., 259

Bastl, Z., 199
Blazsó, M., 221

Carlsen, L., 77
Challinor, J.M., 93
Christiansen, J.V., 77

del Río, J.C., 1
De Stefanis, A., 157
Dřínek, V., 199

Faix, O., 167
Farooq, H.M., 109
Font, R., 249
Furimsky, E., 43

García, A.N., 249
Gellerstedt, G., 15
González-Vila, F.J., 1
Gulzar, A., 109

Harrington, P.de B., 207
Hayashi, J., 43

Iqbal, M.Z., 109
Ishiwatari, M., 237
Ishiwatari, R., 237

Jakab, E., 167, 221
Jurasek, P., 43

King, D., 207
Kleen, M., 15
Kök, M.V., 145
Kuoppala, E., 259
Kuroda, K., 53

Leigh, G.J., 61

Martín, F., 1
Morelli, J.J., 121

Nazzal, J.M., 181
Nielsen, M., 43

Oesch, P., 259

Pamir, M.R., 145
Perez, G., 157
Pola, J., 199

Raimondo, M., 157

Sakashita, H., 237
Sandreczki, T.C., 121
Shah, H.U., 109
Stotereau, P.J., 61
Šubrt, J., 199
Székely, T., 167

Tatsumi, T., 237
Taylor, R., 199
Till, F., 167
Tomlinson, A.A.G., 157

Verdejo, T., 1

Whittenburg, H., 207
Williams, P.T., 181

Zaman, M.Q., 109
Zelei, B., 221

ELSEVIER

Journal of Analytical and Applied Pyrolysis
35 (1995) 269–272

JOURNAL of ANALYTICAL and APPLIED PYROLYSIS

Subject Index

Activated complex
Application of the transition state theory to the pyrolysis of biomass and tars, 249
Anthracene
Injection system designed for online Curie point pyrolysis–gas chromatography using high-resolution capillary columns, 207
β-Aryl ether substructure
Contribution of an oxirane intermediate in the pyrolytic cleavage of the β-aryl ether substructure in lignin: Pyrolysis of 3,4-dimethoxyphenyloxirane, 53
Atomic emission spectroscopy
Py–GC/AED studies on the thermochemical behavior of softwood, 259

Benzylideneaniline complexes
Thermoanalytical studies of benzylideneaniline complexes with group IB and IIB metals, 109
Binary metal nitrides
Investigation of the oxidative pyrolysis of binary metal nitrides, and particularly of boron nitride, 61
Biomarkers
Characterisation of wood by pyrolysis derivatisation–gas chromatography/mass spectrometry, 93
Biomass
Application of the transition state theory to the pyrolysis of biomass and tars, 249
Boron nitride
Investigation of the oxidative pyrolysis of binary metal nitrides, and particularly of boron nitride, 61

Capillary columns
Injection system designed for online Curie point pyrolysis–gas chromatography using high-resolution capillary columns, 207
Carbon dioxide
Py–GC/AED studies on the thermochemical behavior of softwood, 259
Carbon monoxide
Py–GC/AED studies on the thermochemical behavior of softwood, 259
Catalytic pyrolysis
Catalytic pyrolysis–gas chromatography, 157
Chars
Py–GC/AED studies on the thermochemical behavior of softwood, 259
Chemical vapour deposition
IR laser-induced decomposition of tetravinylsilane for chemical vapour deposition of Si/C/H materials, 199
Chlorine-containing polymers
Thermal decomposition of low-density polyethylene in the presence of chlorine-containing polymers, 221
Chlorophyll-a
Thermogravimetry and pyrolysis–GC of chlorophyll-a: with a special emphasis on thermal behavior of its phytyl chain, 237
Coal
Pyrolysis and combustion studies of fossil fuels by thermal analysis methods, 145
Coal classification
Flash pyrolysis of coals. A new approach of classification, 77
Combustion
Pyrolysis and combustion studies of fossil fuels by thermal analysis methods, 145
Conversion yields
Py–GC/AED studies on the thermochemical behavior of softwood, 259
Crude oil
Pyrolysis and combustion studies of fossil fuels by thermal analysis methods, 145
Curie point heating
Injection system designed for online Curie point pyrolysis–gas chromatography using high-resolution capillary columns, 207
Curie-point pyrolysis
Contribution of an oxirane intermediate in the pyrolytic cleavage of the β-aryl ether substructure in lignin: Pyrolysis of 3,4-dimetho-xyphenyloxirane, 53

Differential scanning calorimetry
Pyrolysis and combustion studies of fossil fuels by thermal analysis methods, 145
Differential thermal analysis
Pyrolysis and combustion studies of fossil fuels by thermal analysis methods, 145

Entropy
Application of the transition state theory to the pyrolysis of biomass and tars, 249
Ethylbenzene
Catalytic pyrolysis–gas chromatography, 157

Fixed bed catalytic reactor
Catalytic pyrolysis–gas chromatography, 157
Flash pyrolysis
Flash pyrolysis of coals. A new approach of classification, 77
Fluidised bed reactor
Polycyclic aromatic compounds in oils derived from the fluidised bed pyrolysis of oil shale, 181
Fossil fuels
Pyrolysis and combustion studies of fossil fuels by thermal analysis methods, 145
Fourier transform-infrared spectrophotometry
Thermal decomposition of low-density polyethylene in the presence of chlorine-containing polymers, 221

GC/FID
Polycyclic aromatic compounds in oils derived from the fluidised bed pyrolysis of oil shale, 181
GC/MS
Polycyclic aromatic compounds in oils derived from the fluidised bed pyrolysis of oil shale, 181
Group IB metals
Thermoanalytical studies of benzylideneaniline complexes with group IB and IIB metals, 109
Group IIB metals
Thermoanalytical studies of benzylideneaniline complexes with group IB and IIB metals, 109

Hydrolysis
Characterisation of wood by pyrolysis derivatisation–gas chromatography/mass spectrometry, 93

Infrared multiphoton decomposition
IR laser-induced decomposition of tetravinylsilane for chemical vapour deposition of Si/C/H materials, 199
Injection system
Injection system designed for online Curie point pyrolysis–gas chromatography using high-resolution capillary columns, 207
Irradiation
The vacuum pyrolysis and thermal degradation in air of irradiated poly(ethylene-co-tetrafluoroethylene) films, 121
Isoprenoid hydrocarbons
Thermogravimetry and pyrolysis–GC of chlorophyll-a: with a special emphasis on thermal behavior of its phytyl chain, 237

Kerogen
Thermogravimetry and pyrolysis–GC of chlorophyll-a: with a special emphasis on thermal behavior of its phytyl chain, 237

Lignin
Contribution of an oxirane intermediate in the pyrolytic cleavage of the β-aryl ether substructure in lignin: Pyrolysis of 3,4-di-methoxyphenyloxirane, 53
Influence of inorganic species on the formation of polysaccharide and lignin degradation products in the analytical pyrolysis of pulps, 15
Thermogravimetry/mass spectrometry study of six lignins within the scope of an international round robin test, 167
Lignite
Pyrolysis and combustion studies of fossil fuels by thermal analysis methods, 145
Liquid chromatography fractionation
Polycyclic aromatic compounds in oils derived from the fluidised bed pyrolysis of oil shale, 181
Low-density polyethylene
Thermal decomposition of low-density polyethylene in the presence of chlorine-containing polymers, 221

Mass spectrometry
Thermogravimetry/mass spectrometry study of six lignins within the scope of an international round robin test, 167
Metal ions
Influence of inorganic species on the formation of polysaccharide and lignin degradation products in the analytical pyrolysis of pulps, 15

Methylation
Characterisation of wood by pyrolysis derivatisation–gas chromatography/mass spectrometry, 93
Microtesting
Catalytic pyrolysis–gas chromatography, 157
Mid-pore zeolites
Catalytic pyrolysis–gas chromatography, 157
Milled wood lignins
Thermally assisted hydrolysis and alkylation of lignins in the presence of tetra-alkylammonium hydroxides, 1

Nylons
Formation of toxic gases during pyrolysis of polyacrylonitrile and nylons, 43

Oil shale
Pyrolysis and combustion studies of fossil fuels by thermal analysis methods, 145
Polycyclic aromatic compounds in oils derived from the fluidised bed pyrolysis of oil shale, 181
Oxidative pyrolysis
Investigation of the oxidative pyrolysis of binary metal nitrides, and particularly of boron nitride, 61
Oxirane
Contribution of an oxirane intermediate in the pyrolytic cleavage of the β-aryl ether substructure in lignin: Pyrolysis of 3,4-dimeth-oxyphenyloxirane, 53

Phytyl chain
Thermogravimetry and pyrolysis–GC of chlorophyll-a: with a special emphasis on thermal behavior of its phytyl chain, 237
Pinus sylvestris
Py–GC/AED studies on the thermochemical behavior of softwood, 259
Polyacrylonitrile
Formation of toxic gases during pyrolysis of polyacrylonitrile and nylons, 43
Polycyclic aromatic compounds
Polycyclic aromatic compounds in oils derived from the fluidised bed pyrolysis of oil shale, 181
Poly(ethylene-co-tetrafluoroethylene) films
The vacuum pyrolysis and thermal degradation in air of irradiated poly(ethylene-co-tetrafluoroethylene) films, 121
Polysaccharides
Influence of inorganic species on the formation of polysaccharide and lignin degradation products in the analytical pyrolysis of pulps, 15
Polystyrene
Injection system designed for online Curie point pyrolysis–gas chromatography using high-resolution capillary columns, 207
Principal component analysis
Influence of inorganic species on the formation of polysaccharide and lignin degradation products in the analytical pyrolysis of pulps, 15
1-Pristene
Thermogravimetry and pyrolysis–GC of chlorophyll-a: with a special emphasis on thermal behavior of its phytyl chain, 237
Pulps
Influence of inorganic species on the formation of polysaccharide and lignin degradation products in the analytical pyrolysis of pulps, 15
Pyrolysis derivatisation
Characterisation of wood by pyrolysis derivatisation–gas chromatography/mass spectrometry, 93
Pyrolysis–gas chromatography
Catalytic pyrolysis–gas chromatography, 157
Injection system designed for online Curie point pyrolysis–gas chromatography using high-resolution capillary columns, 207
Py–GC/AED studies on the thermochemical behavior of softwood, 259
Pyrolysis–gas chromatography/mass spectrometry
Characterisation of wood by pyrolysis derivatisation–gas chromatography/mass spectrometry, 93
Thermal decomposition of low-density polyethylene in the presence of chlorine-containing polymers, 221
Pyrolysis–GC
Thermogravimetry and pyrolysis–GC of chlorophyll-a: with a special emphasis on thermal behavior of its phytyl chain, 237
Pyrolysis-methylation
Thermally assisted hydrolysis and alkylation of lignins in the presence of tetra-alkylammonium hydroxides, 1
Pyrolytic oil analysis
Polycyclic aromatic compounds in oils derived from the fluidised bed pyrolysis of oil shale, 181

Reaction order
Application of the transition state theory to the pyrolysis of biomass and tars, 249

Sawdust
Py–GC/AED studies on the thermochemical behavior of softwood, 259
Si/C/H films
IR laser-induced decomposition of tetravinylsilane for chemical vapour deposition of Si/C/H materials, 199
Softwood
Py–GC/AED studies on the thermochemical behavior of softwood, 259
Swelling
Influence of inorganic species on the formation of polysaccharide and lignin degradation products in the analytical pyrolysis of pulps, 15

Tars
Application of the transition state theory to the pyrolysis of biomass and tars, 249
Tetrabutylammonium hydroxide
Thermally assisted hydrolysis and alkylation of lignins in the presence of tetra-alkylammonium hydroxides, 1
Tetramethylammonium hydroxide
Thermally assisted hydrolysis and alkylation of lignins in the presence of tetra-alkylammonium hydroxides, 1
Tetravinylsilane
IR laser-induced decomposition of tetravinylsilane for chemical vapour deposition of Si/C/H materials, 199
Thermal decomposition
Application of the transition state theory to the pyrolysis of biomass and tars, 249
Thermal decomposition of low-density polyethylene in the presence of chlorine-containing polymers, 221
Thermogravimetry/mass spectrometry study of six lignins within the scope of an international round robin test, 167
Thermal degradation
The vacuum pyrolysis and thermal degradation in air of irradiated poly(ethylene-co-tetrafluoroethylene) films, 121
Thermal effects
Thermogravimetry and pyrolysis–GC of chlorophyll-a: with a special emphasis on thermal behavior of its phytyl chain, 237
Thermally assisted hydrolysis and methylation
Thermally assisted hydrolysis and alkylation of lignins in the presence of tetra-alkylammonium hydroxides, 1
Thermoanalytical studies
Thermoanalytical studies of benzylideneaniline complexes with group IB and IIB metals, 109
Thermochemical behavior
Py–GC/AED studies on the thermochemical behavior of softwood, 259
Thermogravimetry
Pyrolysis and combustion studies of fossil fuels by thermal analysis methods, 145
Thermogravimetry and pyrolysis–GC of chlorophyll-a: with a special emphasis on thermal behavior of its phytyl chain, 237
Thermogravimetry/mass spectrometry study of six lignins within the scope of an international round robin test, 167
Thermogravimetry/mass spectrometry
Thermal decomposition of low-density polyethylene in the presence of chlorine-containing polymers, 221
Toxic gases
Formation of toxic gases during pyrolysis of polyacrylonitrile and nylons, 43
Transition state theory
Application of the transition state theory to the pyrolysis of biomass and tars, 249

Vacuum pyrolysis
The vacuum pyrolysis and thermal degradation in air of irradiated poly(ethylene-co-tetrafluoroethylene) films, 121

Wood
Characterisation of wood by pyrolysis derivatisation–gas chromatography/mass spectrometry, 93